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Polymers

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## Polypropylene PPR 3221

Technical data sheet  
Polypropylene – Random Copolymer  
Produced in Europe

### Description

Polypropylene PPR 3221 is a high clarity, high impact resistance random copolymer especially designed for blow molding applications (mono and multi-layers) for food and non-food packaging of sauces, detergents and soaps, cosmetics and for sheets extrusion.

### Characteristics

	Method	Unit	Typical Value
<b>Rheological properties</b>			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	1.8
<b>Mechanical properties</b>			
Elongation at Yield	ISO 527-2	%	<15
Flexural modulus	ISO 178	MPa	900
Izod Impact Strength (notched) at 23°C	ISO 180	kJ/m <sup>2</sup>	
at 23°C			22
at 0°C			3.6
Hardness Rockwell - R-scale	ISO 2039-2		82
<b>Thermal properties</b>			
Vicat Softening Point	ISO 306	°C	
50N-50°C per hour			67
10N-50°C per hour			130
<b>Other physical properties</b>			
Density	ISO 1183	g/cm <sup>3</sup>	0.902
Bulk Density	ISO 1183	g/cm <sup>3</sup>	0.525

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